

**RABBIT ANTI-CALRETININ  
POLYCLONAL ANTIBODY**

|                              |  |
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| <b>CATALOG NUMBER:</b>       | AB5054   |
| <b>LOT NUMBER:</b>           |  |
| <b>QUANTITY:</b>             | 100 µL   |
| <b>SPECIFICITY:</b>          | Specific for calretinin. Recognizes both the calcium-bound and calcium-unbound conformations of calretinin by immunoblots.   |
| <b>IMMUNOGEN:</b>            | Recombinant rat calretinin.  |
| <b>APPLICATIONS:</b>         | Immunohistochemistry: 1:1,000-1:10,000<br>Western blot: 1:1,000-1:2,000<br>Optimal working dilutions must be determined by the end user.   |
| <b>SPECIES REACTIVITIES:</b> | Rat.   |
| <b>FORMAT:</b>               | Rabbit serum.  |
| <b>PRESENTATION:</b>         | Liquid. Contains no preservative.  |
| <b>STORAGE/HANDLING:</b>     | Maintain at -20°C in undiluted aliquots for up to 12 months after date of receipt. Avoid repeated freeze/thaw cycles.  |
| <b>REFERENCE:</b>            | Lee, Jea-Young, <i>et al</i> (2006). Calcium-binding Protein Calretinin Immunoreactivity in the Dog Superior Colliculus. <i>Acta histochemica et cytochemica</i> <b>39</b> : 125-38.<br>Liu, J. <i>et al.</i> (2005). Chronic nicotine exposure during adolescence differentially influences calcium-binding proteins in rat anterior cingulate cortex. <i>Eur. J. Neurosci.</i> <b>22</b> : 2462-2474.<br><b>(Applications: Immunohistochemistry (tissue); Species: Rat)</b><br>de Melo, J. <i>et al.</i> (2004). Dlx1 and Dlx2 function is necessary for terminal differentiation and survival of late-born retinal ganglion cells in the developing mouse retina. <i>Development</i> <b>132(2)</b> : 311-322.<br>Lee, J.-E. <i>et al.</i> (2004). Nitric Oxide Synthase and Calcium-binding Protein-containing Neurons in the Hamster Visual Cortex. <i>Mol. Cells</i> <b>18</b> : 30-39.<br>Liu, S. <i>et al.</i> (2003). Generation of functional inhibitory neurons in the adult rat hippocampus. <i>J. Neuroscience</i> <b>23(3)</b> : 732-736. |

**Important Note:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

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USA & Canada • Phone: +1(800) 437-7500 • Fax: +1 (951) 676-9209 • Europe +44 (0) 23 8026 2233  
Australia +61 3 9839 2000 • Germany +49-6192-207300 • ISO Registered worldwide  
www.chemicon.com • custserv@chemicon.com • techserv@chemicon.com